

**IN THE CLAIMS**

Please amend the claims as follows.

- 1-9. (Canceled)
- 10. (Previously presented) A vector comprising the nucleic acid of claim 41.
- 11. (Previously presented) The vector of claim 10, wherein said vector is an expression vector.
- 12. (Previously presented) The vector of claim 10 that is a prokaryotic vector.
- 13. (Previously presented) The vector of claim 10 that is a eukaryotic vector.
- 14. (Previously presented) A host cell comprising the vector of claim 10.
- 15. (Previously presented) A host cell of claim 14 that is a prokaryotic cell.
- 16. (Previously presented) A host cell of claim 14 that is a eukaryotic cell.
- 17-40. (Canceled)
- 41. (Previously Presented) An isolated nucleic acid comprising a nucleotide sequence selected from the group consisting of:
  - (a) a nucleotide sequence as set forth in SEQ ID NO: 2;
  - (b) a nucleotide sequence encoding the polypeptide as set forth in SEQ ID NO: 7;
  - (c) a nucleotide sequence complementary to (a) or (b).

42-47. (Canceled)

48. (Previously presented) A process of producing a peripheral-type benzodiazepine-associated protein (PAP) comprising culturing the host cell of either claim 15 or 16 under suitable conditions to express a peripheral-type benzodiazepine-associated protein-7 (PAP7) encoded by the nucleic acid.

49. (Previously presented) The process of claim 48, wherein the vector further comprises a heterologous promoter operatively linked to the nucleotide sequence encoding the peripheral-type benzodiazepine-associated protein-7 (PAP7) polypeptide.

50. (Previously presented) A reagent comprising a nucleic acid of claim 41, wherein the nucleic acid is detectably labeled.

51. (Previously presented) A reagent comprising a single-stranded nucleic acid of claim 41, wherein the nucleic acid is complementary and is detectably labeled.

52. (Previously presented) A reagent comprising a single-stranded nucleic acid of claim 41, wherein the nucleic acid amplifies peripheral-type benzodiazepine-receptor-associated protein-7 (PAP7) sequences.

53-82. (Canceled)